

22. (New) The glucose sensor in accordance with claim 1, wherein said reaction layer further contains a stabilizer, said stabilizer having a function of retaining the activity of the enzyme and the long-term preservation of said sensor and decreasing the blank value of said sensor.

31. (New) The glucose sensor in accordance with claim 1, wherein said stabilizer is a metal salt, an organic acid, a protein, an amide acid, a sugar or a derivative thereof, a surfactant, or ammonium sulfate.

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44. (New) The glucose sensor in accordance with claim 1, wherein said stabilizer is a metal salt selected from the group consisting of a calcium salt, a strontium salt and a manganese salt.

5. (New) The glucose sensor in accordance with claim 1, wherein said metal salt is a sulfate, a nitrate or a halide.

6. (New) The glucose sensor in accordance with claim 1, wherein said calcium salt is CaCl_2 .

7. (New) The glucose sensor in accordance with claim 1, wherein said stabilizer is an organic acid selected from the group consisting of α -ketoglutaric acid, malic acid, fumaric acid, gluconic acid, cholic acid and deoxycholic acid.

8. (New) The glucose sensor in accordance with claim 1, wherein said stabilizer is a protein selected from the group consisting of bovine serum albumin, egg albumin and gelatin.

9. (New) The glucose sensor in accordance with claim 1, wherein said stabilizer is a sugar or a derivative thereof selected from the group consisting of a monosaccharide and a derivative thereof, a disaccharide and a derivative thereof, an oligosaccharide and a derivative thereof, and a polysaccharide and a derivative thereof.

10. (New) The glucose sensor in accordance with claim 1, wherein said stabilizer is a monosaccharide selected from the group consisting of glucose, fructose,

galactose, mannose, xylose, inositol, monnitol, sorbitol, ribitol, glucosamine and deoxyglucose, or a derivative thereof.

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15. (New) The glucose sensor in accordance with claim 13, wherein said stabilizer is a disaccharide selected from the group consisting of sucrose, lactose, maltose and trehalose, or a derivative thereof.

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16. (New) The glucose sensor in accordance with claim 13, wherein said stabilizer is an oligosaccharide selected from the group consisting of malt triose, maltosyl cyclodextrin, α -cyclodextrin, β -cyclodextrin and γ -cyclodextrin, or a derivative thereof.

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17. (New) The glucose sensor in accordance with claim 13, wherein said stabilizer is a polysaccharide selected from the group consisting of dextrin, amylose, glycogen, inulin and Ficoll, or a derivative thereof.

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18. (New) The glucose sensor in accordance with claim 7, said stabilizer is an amido acid selected from the group consisting of lysine, histidine, glutamic acid, glycylglycine and polylysine.

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19. (New) The glucose sensor in accordance with claim 7, wherein said stabilizer is a non-ionic surfactant.

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20. (New) The glucose sensor in accordance with claim 1, wherein said reaction layer further contains maleic acid, a maleate, succinic acid, a succinate, triethanol amine, a triethanol amine salt, citric acid, a citrate, dimethyl glutaric acid, 2-(N-morpholino) ethane sulfonic acid, a 2-(N-morpholino) ethane sulfonate, tris (hydroxymethyl) glycine, a tris (hydroxymethyl) glycine salt, tris (hydroxymethyl) aminomethane, a tris (hydroxymethyl) aminomethane salt, imidazole or colicin. --

REMARKS

Claims 5-20 are currently pending in the present application. The claims are new and fully supported by the details specification and original claims as filed. For example,